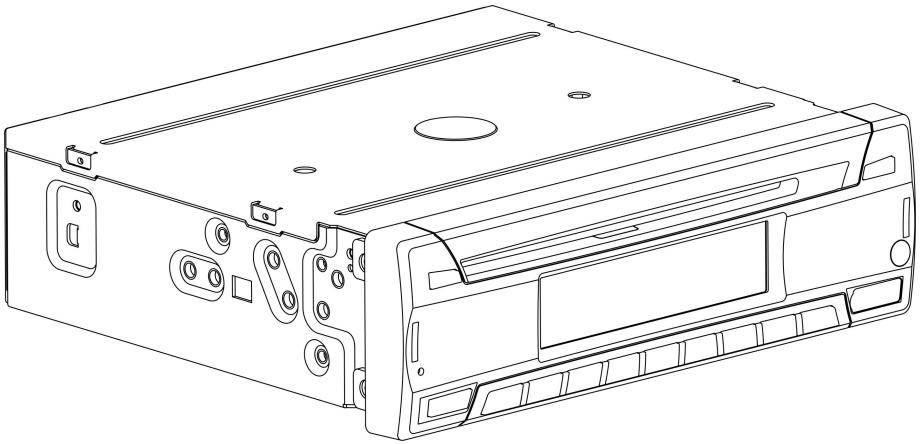
ACTIA®

USER MANUAL

ACT501 (W)



Coach DVD/SVCD/VCD/CD/MP3 Player with USB Input

BEFORE YOU BEGIN

PRECAUTIONS:

CAUTION:
USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so you can hear sounds outside of the car.
- Protect this product from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

FEATURES:

DVD video playback
It is possible to play back DVD video, DVD+-R, DVD+-RW and DVD+-DL.

Video CDs featuring PBC compatibility
It is possible to play back Video CDs featuring PBC (playback control).

CD playback
Music CD/CD-R/CD-RW playback is possible.

MP3 file playback
It is possible to play back MP3 files recorded on CD-ROM/CD-R/CD-RW.

PAL/NTSC compatibility
This unit is PAL/NTSC system compatible. When connecting other components to this unit, be sure components are compatible with the same video system or else images will not be correctly reproduced.

Multi-aspect
Switching between wide screen, letter box and pan scan display is possible.

Multi-audio
You can switch between multiple audio systems recorded on a DVD as desired.

Multi-subtitle
You can switch between multiple subtitle languages recorded on a DVD as desired.

Multi-angle
You can switch between multiple viewing angles of a scene recorded on a DVD as desired.

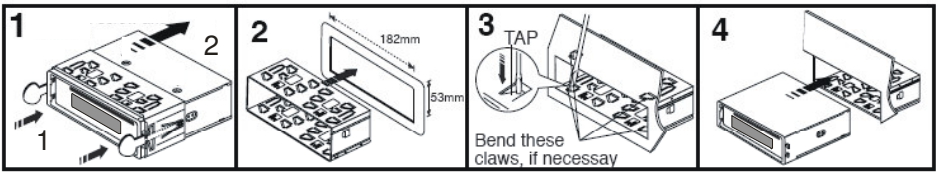
When an operation is prohibited
When you are watching a DVD and attempt to perform an operation, it may not be performed by the programming on the disc. When this happens, this unit indicates on the screen.

INSTALLATION

PRECAUTIONS

- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

NOTE : *Inclination angle for car radio installation must not exceed 30˚ otherwise the front panel will not open*



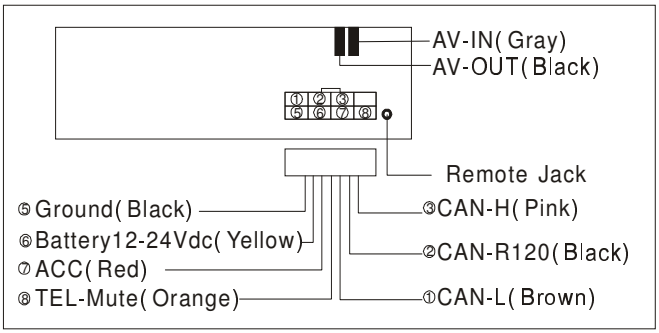
NOTE: *Keep the release key in the safe place as you may need it in future to remove the unit from the vehicle.*

RCA Connector

AUDIO/ VIDEO INPUT (GRAY)
AUDIO/ VIDEO OUTPUT (BLACK)

POWER CONNECTOR

1. CAN-L(Brown)
2. CAN-R120(Black)
3. CAN-H(Pink)
5. Ground(Black)
6. Battery12-24Vdc(Yellow)
7. ACC(Red)
8. TEL-Mute(Orange)



NOTE: ACC (Red) must be connected by car ignition key in order to avoid that car battery becomes weak when the car will be not used for long period.

Maintenance

FUSE REPLACEMENT

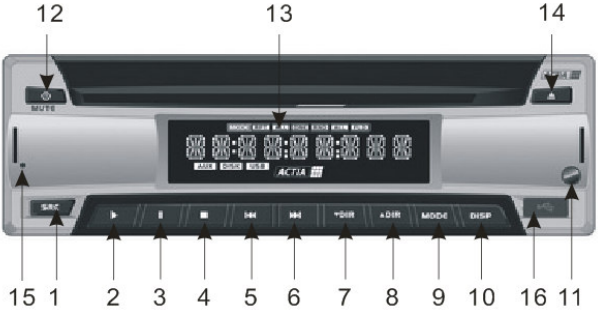
If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after the replacement, there may be an internal malfunction. In this case, consult your nearest repairing center.

Warning

Use the specified amperage fuse for each lead. Use of a higher amperage fuse may cause serious damage.

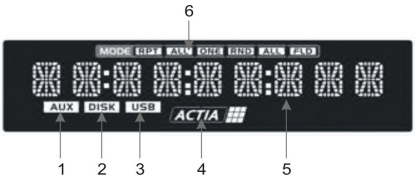
Locations of Parts (Main unit)

Front panel photo



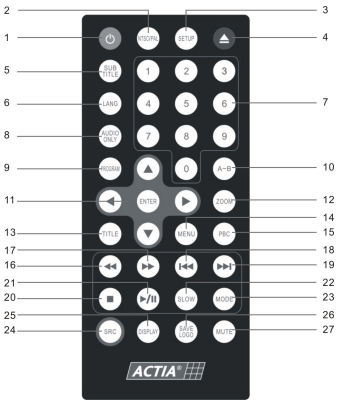
1	SRC	Select a Source
2	▶	Play the Media
3	⏸	Pause the reproduction
4	■	Stop the reproduction
5	⏮	Fast rearward/Preview track/file
6	⏭	Fast advance/Next track/file
7	▼DIR	Select Lower directory
8	▲DIR	Select upper directory
9	MODE	Select the play MODE (repeat/random)
10	DISP	Change the info that displayed on LCD/ Monitor
11	Remote Sensor	Receives a light signal from the remote controller
12	POWER	Turns the power on/off , Mute
13	LCD DISPLAY	Display info about the current state of player and disc
14	EJECT	Disc are ejected from this button
15	RESET	Reset the unit by hardware
16	USB PORT	Insert the USB and play the file

Locations of Parts (LCD Display)



1 AUX ICON	Indicate the selection of AUX source
2 DISK ICON	Indicate the selection of DISK source
3 USB ICON	Indicate the selection of USB source
4 ACTIA LOGO	Running the icon circularly when reading the disc
5 DIGITAL ICON	Indicate information about operation
6 MODE ICON	Indicate the selected MODE (repeat /random)

Locations of Parts (Remote Control)



1. **POWER**
   Use to turn on/off the DVD player

2. **NTSC/PAL**
   Use to choose broadcasting methods (only when DVD player is not operating)

3. **SETUP**
   Use to various functions according to individual preference

4. **EJECT**
   Use to insert or eject disc

5. **SUB TITLE**
   Use this button to choose subtitle (only when the disc supports various language subtitle)

6. **LANG**
   Use this button to choose language (only when the disc supports various language sounds)

7. **NUMBER BUTTONS**
   Use when making a selection on menu screens

8. **AUDIO ONLY**
   Use this button to switch off the Video only the Audio play

9. **PROGRAM**
   Use this button to choose the track you want to play

10. **A-B**
    Repeats the selected segment

11. **ARROW AND ENTER**
    Use to move to the desired menu and use ENTER button to choose menu you want

12. **ZOOM**
    Zooms in on picture

13. **TITLE**
    Displays the titles on the disc under play

14. **MENU**
    Shows the menus of the disc under play

15. **PBC**
    Playback control for VCD2.0 and SVCD1.0

16. ◀◀
    Reverses through the disc form 2x to x20 fast

17. ▶▶
    Forwards through the disc form 2x to x20 fast

18. ⏮
    Moves to the previous chapter(DVD) or track(VCD, CDDA, MP3)

19. ⏭
    Moves to the next chapter(DVD) or track(VCD, CDDA, MP3)

20. ■
    Stop disc play

21. ▶/II
    Begin disc play or stop for a while

22. **SLOW**
    Forwards through the disc from 1/2 to 1/7 fast

23. **MODE**
    Use tis button to choose play mode or repeat mode

24. **SRC**
    Select a source (AUX, DISK, USB)

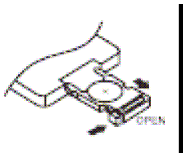
25. **DISPLAY**
    Shows the information about title, chapter of the disc under play

26. **SAVE LOGO**
    Save the dynamic images as splash screen

27. **MUTE**
    Cut off the sound

Installing the battery

Slide the tray out on the back of the remote control and insert the battery with the (+) and minus (-) poles pointing in the proper direction.



• When use for the first time, pull out the film protruding the tray.

CAUTIONS

• Remove the battery if the remote control is not used for a month or longer.

• Do not recharge, disassemble, heat or dispose the battery on fire.

• Do not store the battery with metallic materials.

• In the event of battery leakage, wipe the remote control completely clean and install a new battery

• When disposing of used batteries, please comply with government regulations or environmental public institution' s rule that apply in your country/area.

• Always check carefully that you are loading the battery with plus (+) and minus (-) poles facing the proper directions.

Using the remote control

Point the remote control in the direction of the front panel to operate.

IMPORTANT

• Do not store the remote control in high temperatures or direct sunlight.

• Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

GENERAL OPERATIONS

Turning the unit ON/OFF/Mute (PWR)

• Head Unit: Press A to turn on the unit. To turn off, long press this button again.
Remote Control: Press A button to turn on the unit. To turn off, press this button again.

Mute Button

• Head Unit: Press the A button to mute the sound at once. Press again to return to previous volume level.

• Remote Control: Press **MUTE** button to mute the sound at once. Press again to return to previous volume level.

Selecting a source (SRC)

• Head Unit: Press **SRC** repeatedly to switch between DISK, AUX IN, USB sources.

• Remote Control: Press **SRC** repeatedly.

Loading a Disc

Insert a disc into the disc loading slot

Ejecting a Disc (0)

Press the 0 button to eject disc

Display (DISP)

When this key is pushed, it is showed different information according to the display mode as follow.

CD PLAYER MODE

TIME OF TRACK –TIME TO FINISH TRACK--TIME OF TRACK—TIME TO FINISH DISC

MP3 PLAYER MODE

TIME OF FILE –TIME TO FINISH FILE

DVD PLAYER MODE

NAME OF TITLE, CHAPTER AND TIME –TIME TO FINISH CHAPTER—TIME TO FINISH TITLE

• The information regarding the time of the movie or file has the following format:

HH:MM:SS.TCC or **HH:MM:SS.FFF** Ex: 01:22:03.102

H=hours ; M=minutes ; S=seconds ; TCC= Title and chapter number ; FFF= file number

• For MP3 files and folders the information displayed can be:

FFF/TTT Ex: 011/020 ;

FFF = folder number TTT= track number

NTSC /PAL System

Press **NTSC /PAL** button to switch between PAL, NTSC, AUTO system.

Reset

Reset button is placed on the left of front panel.

The reset button is to be activated for the following reason:

• Initial installation of the unit when all wiring is completed.

• All the function buttons do not operate.

• Error symbol on the display.

LISTENING TO CD/MP3

Basic operation of CD/MP3

1. To perform fast rearward or forward, press and hold ⏮or⏭ on the head unit or press◀◀ or ▶▶ on remote control. To resume normal playback at a desired point, just release holding⏮or⏭ on the head unit or press B on remote control.
2. To skip back or forward to another track, press⏮or⏭.
3. To pause playback, press II on head unit, press ▶ button again to resume or press B to pause on remote control. Press it again to resume.
4. To stop playback, press ■.

Note:

• When MP3 disc is inserted, all track file names will be displayed on the monitor screen with their corresponding track number.

• You can use the **ARROW** *and* **ENTER** *keypads on the remote control to access the file. To play selected file, simply press* **ENTER***.*

Searching for particular track

During playback, you can simply press the corresponding track number using the number pad on the remote control.

Note:

• To select 3, press 0, 3.

• To select 13, press 1, 3.

• To select 23, press 2, 3.

Repeat tracks

You can choose between repeat playback of a single track or all tracks.

1. Press **MODE** on the head unit or remote control during playback.
2. Every time you press this button, the unit switches to the following settings:

• **Repeat ONE:** LCD shows **"**MODE RPT ONE**"** – Repeat the current track.

• **Repeat DIR:** LCD shows **"**MODE RPT ALL **"** – Repeat all the tracks in the current directory.

• **Off** – Turn "Repeat Mode" off.

Random Playback

You can play the tracks in random/shuffle order instead of normal progression.

Press **MODE** on the head unit or remote control during playback. To turn off, press it again.

• **Repeat ALL:** LCD shows "MODE RND ALL "– Play randomly the files inside the current folder.

• **Off** – Turn "Random Mode" off.

Program Playback

You can set which tracks to play according to your desired sequence using the program function.

1. Press **PROGRAM** button on the remote control.

2. Enter the track number besides the memory location. Up to 16 tracks can be stored.
3. When all tracks have been programmed, select PLAY and press **ENTER**. Program playback will start.
4. Press ■ button to exit program playback.

LISTENING TO USB MUSIC

This unit supports playback of music files stored in a USB memory stick.
Plug the USB stick in the designated port. Press the **SRC** button to choose the USB mode then playback starts.

PLAYING DVD VIDEO

Basic operation of DVD Video

1. Insert a DVD disc. Press the **SRC** button to choose the DISK mode then unit automatically loads the disc. When the DVD offers a menu, the menu is displayed.
2. Use the remote control navigation buttons to choose desired features displayed on the menu. Press **ENTER** to select.
3. To perform fast rearward or forward, press and hold ⏮or⏭. Once in faster mode each time the keys ⏮or⏭ are pressed and held the speed is increased. To resume normal playback at a desired point, press ⏵ on head unit or B on remote control.
4. To skip back or forward to another chapter, press⏮or⏭.
5. To pause playback, press ⏸ on head unit, press ⏵ button again to resume or press B to pause on remote control. Press it again to resume.
6. To stop playback, press ■. When you stop DVD playback, that location on the disc is memorized enabling playback from that point when you play the disc again. To resume playback, press ⏵ on head unit or B on remote control

Specifying Title/Chapter

Press NUMBER corresponding to a desired title/chapter number during playback. The number is displayed and playback starts from the selected title.

• To select 3, press0, 3.
• To select 13, press 1, 3.
• To select 23, press 2, 3.

Changing audio language during playback (Multi-audio)

DVDs can provide audio playback with different languages and different systems. With DVDs featuring multi-audio recordings, you can switch between languages/audio systems during playback.

To choose different audio, simply press **LANG** on remote control repeatedly.

Note:

• With some DVDs, switching between languages/audio systems may only be possible using a menu display.
• You can also switch between languages/audio systems using SETUP MENU.

Changing the subtitle language during playback (Multi-subtitle)

With DVDs featuring multi-subtitle recordings, you can switch between subtitle languages during playback.

Press **SUB TITLE** on the remote control during playback. Press repeatedly until the supported desired subtitle appears.

Note:

• With some DVDs, switching between subtitles may only be possible using a menu display.
• You can also switch between subtitles using SETUP MENU.

Slow motion playback

This feature lets you slow down playback.

1. Press **Slow** on the remote control during playback or press ⏸ on the head unit, then long

press ⏭ to enter in slow selection mode.
2. Pressing it repeatedly will switch you to the following steps: 1/2 - 1/3 - 1/4 - 1/5 - 1/6 - 1/7.

Note:

• To resume normal playback, press ⏵ on head unit or B on remote control.
• There is no sound during slow motion playback.
• With some disc, slow motion may be unclear during slow motion playback.

Step playback mode

This feature lets you show step by step to playback.
1. Press **II** on the head unit, and then press ⏭ to step by step to playback.
2. To resume normal playback, press ⏵ on head unit or B on remote control.

Fast rearward/ forward

1. Press and hold ⏮ (rearward) or ⏭ (forward) button
2. Short press ⏮ or ⏭ button and the speed of the search will increase by x2, x4, x8, and x20.
3. To resume normal playback at desired point, press ⏵ on head unit or B on remote control.

Selecting Repeat mode

You can choose between repeat playback of a title or chapter.
1. Press **MODE** on the head unit or remote control during playback.
2. Every time you press this button, the unit switches to the following settings:

• **Repeat Chapter**：LCD shows "MODE RPT ONE – Repeat the current chapter.

• **Repeat Title**：LCD shows "MODE RPT ALL – Repeat all the title.

• **Off** – Turn "Repeat Mode" off.

Zooming during playback

You can zoom into the picture during playback.
1. Press **ZOOM** on the remote control during playback.
2. Every time you press this button, the unit will zoom **2, 3, 4, 1/2, 1/3, 1/4** times and **OFF**.

Go back to Main Menu

You can go back to Main Menu of the DVD anytime during playback.
Press **TITLE** on the remote control during playback

Displaying information

During playback, you can see all DVD disc information and current play settings. Display will show related playback time, elapse time, title number, chapter number, angle, audio settings, and subtitle.
1. Press **DISP** on head unit or **DISPLAY** on the remote control once. Unit will display the play time and the disc elapse time.
2. Press it twice and other settings information will be displayed.

PLAYING VCD/SVCD

Basic operation of Video CD

1. To perform fast rearward or forward, press and hold ⏮ or ⏭. Once in faster mode each time the keys ⏮ or ⏭ are pressed and held the speed is increased. To resume normal playback at a desired point, press ⏵ on head unit or B on remote control.
2. To skip back or forward to another chapter, press ⏮ or ⏭.
3. To pause playback, press **II** on head unit, press ⏵ button again to resume or press B to pause on remote control. Press it again to resume.
4. To stop playback, press ■. To resume playback, press ⏵ on head unit or B on remote control

Turning PBC ON/OFF

PBC (Playback Control) is a feature found on VCD 2.0 and SVCD 1.0. PBC allows control of the

playback of play items and the possibility of interaction with the user through the remote control or some other input device available. If PCB is ON, the player won't auto start after inserting the disc because it will take time to select program on disc; if PCB is OFF, the player will auto play the program on disc one by one.

• To turn ON PBC function, press **PBC** on the remote control. To turn OFF, press the button again.

Note: *Not all VCD/SVCD disc have PBC functions.*

Specifying Track

Press NUMBER corresponding to a desired track number during playback. The number is displayed and playback starts from the selected track.

1. Make sure to turn off PBC feature first.
2. Using the number pad on the remote control, enter the desired track number.

Note:

• To select 3, press0, 3.
• To select 13, press 1, 3.
• To select 23, press 2, 3.

Changing audio language during playback

VCDs can provide audio playback with different languages. It is usually separated into 2 channels (left and right). With VCDs featuring multi-audio recordings, you can switch between languages/audio systems during playback.

• To choose different audio, simply press **LANG** on remote control repeatedly.

Slow motion playback

This feature lets you slow down playback.

1. Press **Slow** on the remote control during playback, or press **II** on the head unit, then long press ⏭ to enter the slow selection mode.
2. Pressing it repeatedly will switch you to the following steps: 1/2 - 1/3 - 1/4 - 1/5 - 1/6 - 1/7.

Note:

• To resume normal playback, press ⏵ on head unit or B *on remote control.*
• There is no sound during slow motion playback.
• With some disc, slow motion may be unclear during slow motion playback.

Step playback mode

This feature lets you show step by step to playback.

1. Press **II** on the head unit, and then press⏭ to step by step to playback.
2. To resume normal playback, press ⏵ on head unit or B on remote control.

Fast rearward/ forward

1. Press and hold ⏮ (rearward) or ⏭ (forward) button
2. Short press ⏮ or ⏭ button and the speed of the search will increase by x2, x4, x8, and x20.
3. To resume normal playback at desired point, press ⏵ on head unit or B on remote control.

Selecting Play Mode

Refer to CD/MP3 chapter.

Zooming in during playback

You can zoom in into the picture during playback.

1. Press **ZOOM** on the remote control during playback.
2. Every time you press this button, the unit will zoom **2, 3, 4, 1/2, 1/3, 1/4** times and **OFF**.

Displaying information

During playback, you can see the VCD disc play information.

1. Press **DISP** on head unit or **DISPLAY** on the remote control once. Unit will display the play time and the disc elapse time.
2. Press it twice and the track number together with total tracks information will be displayed.

Program Playback
Refer to CD/MP3 chapter.

SETTING UP THE DVD PLAYER

Important

1. Load any disc into the unit before you can access the settings.
2. Press **SETUP** on the remote control.
3. Use the **ARROW** key and press **ENTER** to setup the DVD player.

Note: Depending on the type of disc inserted, some features may not be available.

SETUP	CATEGORY	OPTIONS
SYSTEM SETUP	TV SYSTEM	NTSC,PAL,AUTO
	SCREEN SAVER	ON, OFF
	VIDEO	Interlace-YUV,TV-RGB,P-SCAN YPBPR,S-VIDEO
	TV TYPE	4:3PS,4:3LB,16:9
	PASSWORD	----
	RATING	1. Kid Safe 2. G 3. PG 4. PG-13 5. PG-R 6. R 7. NC-17 8. Adult
	DEFAULT	RESTORE
LANGUAGE SETUP	OSD LANGUAGE	SELECT PREFERRED AVAILABLE OPTIONS APPEAR ON SCREEN
	AUDIO LANGUAGE	
	SUBTILE LANGUAGE	
	MENU LANGUAGE	
AUDIO SETUP	KEY	
VIDEO SETUP	BRIGHTNESS	0→12
	CONTRAST	0→12
	HUE	-6→+6
	SATURATION	0→12
	SELECT LOGO	RESTORE, MPEG LOGO
SPEAKER SETUP	DOWNMIX	LT/RT, STEREO, VSS
	FRONT	LARGE, SMALL
DIGITAL SETUP	DYNAMIC RANGE	OFF FULL
	DUAL MONO	STEREO, MONO L, MONO R, MIX MONO

Setting Rating Password

1. Press SETUP on the remote control.
2. Using Navigation keys, scroll down to RATING and select a rating level.
3. If you like to change password, scroll up to PASSWORD. Enter default password '5168'. The lock logo will switch to unlock.
4. Enter the new password. The unlock logo will switch to lock indicating new password saved properly.

Note:

• The default password is '5168'.
• To reset password, enter the old password to unlock first and then enter new password.

Audio By-pass function

1. When the product is switched off but power supply is still present (Yellow cable still connected to battery) the A/V AUX inputs are switched to the A/V Output, allowing to watch and listen to the AUXILIARY source without necessity to change the electrical installation on the vehicle.
2. This functionality can be enable/disable by performing a long press on "**DISP**" key until it is displayed the message "AUX AUTO" or "AUX OFF" on LCD, then press "▼DIR" or "▲DIR" to select the function.

Audio only function

This function disables the video output allowing only the audio to be listened. This function can be set by pushing "**AUDIO ONLY**" key on remote control.

Save LOGO

This function enables the customer to save its own LOGO as the splash screen. The logo can only be saved with images from DVD source. To save a logo during a DVD reproduction it is necessary to push and hold the "SAVE LOGO" key on remote control.

CAN2.0B interface

The product is equipped with CAN2.0B interface which allows it to be connected and commanded by external devices such as steering wheel keys, dashboard controls, etc. Those are products under development by Actia Group. Consult Actia technical assistance for further information.

TECHNICAL SPECIFICATIONS

CD/MP3 PLAYER SECTION

Video performance:

--Composite video Output:	$1V_{pp}$ into 75 Ohm Load
--Horizontal Resolution:	Greater than 500 lines
--Video Signal to Noise Ratio:	Greater than 60dB
--Aux Video Input:	$1V_{pp}$ into 75 Ohm Load

Audio performance:

--Line Level Output: DVD	2Vrms into 10K Ohm Load
CD	0.7Vrms into 10K Ohm Load
--THD+ Noise:	Less than 0.05%
--Signal to Noise Ratio (A-weighted):	Greater than 85dB
--Dynamic Range:	Greater than 80dB
--Frequency Response:	20Hz to 20KHz ±1dB
--Channel Output Difference:	1dB Max

General:

--Operating Voltage:	Operating Range10 to 30Vdc
--Operating Temperature Range:	-20°C to +70°C
--Maximum Current Consumption:	Less than 2A
--Stand-by Current Consumption:	Less than 2mA (ACC pin not connected)
--External dimensions (W x H x D):	178mm x 55mm x160 mm

Note: *Specification and the design are subject to possible modification without notice due to improvements.*